

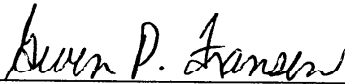
**WASTEWATER-LAND APPLICATION PERMIT
LA-000167-01
Twin Lakes Village**

Twin Lakes Investment Partnership
East 3180 Village Boulevard
Rathdrum, ID 83858

IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL AND
OPERATE A WASTEWATER-LAND APPLICATION TREATMENT
SYSTEM IN ACCORDANCE WITH THE

- WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17),
- WATER QUALITY STANDARDS AND WASTEWATER
TREATMENT REQUIREMENTS (IDAPA 58.01.02),
- GROUND WATER QUALITY RULE (IDAPA 58.01.11) AND
- ACCOMPANYING PERMIT, APPENDICES, AND REFERENCE
DOCUMENTS.

THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE
AND EXPIRES ON **APRIL 31, 2006**.



Gwen P. Fransen, Regional Administrator
Coeur d'Alene Regional Office
Idaho Department of Environmental Quality

Signed this 14th day of September, 2001

DEPARTMENT OF ENVIRONMENTAL QUALITY
2110 Ironwood Parkway, Coeur d'Alene, Idaho 83814
(208) 769-1422

POSTING ON SITE RECOMMENDED

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Appendices

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The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater-Land Application Permit and are enforceable as such. This permit does not relieve the permittee from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Facility Information

Legal Name of Permittee	Twin Lakes Investment Partnership
Type of Waste	Municipal wastewater (septic tank effluent)
Method of Treatment	Slow Rate - spray irrigation
Type of Facility	Municipal
Site Acres	40 acres parcel with about 21.5 acres dedicated to wastewater land treatment by irrigation on forested lands.
Facility Location	Two miles east of Twin Lakes Village and Highway 41, north of Scarcello Road and east of Elkhorn Estates subdivision.
Legal Location	SW1/4 Section 3 T52N R4W B.M.
County	Kootenai
USGS Quad	Twin Lakes
Soils on Site	Predominantly Rathdrum silty loam with small areas of Kootenai gravelly silt loam.
Depth to Ground Water	120 to 160 feet to Spokane Valley Rathdrum Prairie Aquifer, a sole source drinking water aquifer.
Beneficial Uses of Ground Water	All uses. Aquifer is a Sensitive Resource Aquifer per the Idaho <u>Ground Water Quality Rule</u> (IDAPA 58.01.11).
Nearest affected Surface Water	None within immediate vicinity.
Beneficial Uses of Surface Water	None with immediate vicinity.
Facility Contact Person Mailing Address Phone/Fax Number	Operator Dean Renninger (687-0802) Or Charles A. Potts, Jr. or Robert Bonuccelli, Partners Twin Lakes Investment Partnership East 3180 Village Boulevard Rathdrum, Idaho 83858 208-687-2525 and 509-924-9730

D. Site Specific Permit Conditions

- 1) The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the table below.

Category	Permitted Conditions					
Type of Wastewater	Septic Tank Effluent from up to 500 Users in the Twin Lakes Village development generated annually between May 1 and October 31.					
Application Site Area	Slow Rate Irrigation on 21.5 acres					
Application Season	May 1 to October 31					
Maximum Monthly Hydraulic Loading Rate	Irrigation Water Requirement as defined in <i>Handbook for Land Application of Municipal and Industrial Wastewater</i> and per Table 6 of the September 1998 Plan of Operation. Up to 14 million gallons (MG) of treated and disinfected wastewater can be applied to the 21.5 acres at specified monthly maximum rates and at an annual rate of less than 24-inches per year.					
Down gradient ground water	Must meet Idaho Ground Water Quality Rule IDAPA 58.01.11					
Nitrogen Application Rate	150 lbs./acre/year					
Phosphorus Application Rate	38 lbs./acre/year					
Grazing	Not allowed.					
Allowable crops	Trees.					
Signing	Signs shall be posted every 500 feet designating the fields as wastewater reuse areas or equivalent					
Buffer Zone Distances	Disinfection Level (total coliform)	Distance to Public Access	Distances to Inhabited Dwellings	Distance to streams	Distance to private water systems	Distance to public water systems
	2.2 /100 ml	0 feet	100 feet	50 feet	500	1000
	23/100 ml	50 feet	300 feet	50 feet	500	1000
	230/100ml	300 feet	1,000 feet	50 feet	500	1000

E. Monitoring Requirements

- 1) Appropriate analytical methods, as given in the *1994 Technical Interpretive Supplement*, or as approved by the Idaho DEQ of Health and Welfare (hereinafter referred to as "DEQ"), shall be employed.
- 2) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Weekly	Wastewater discharge point to land	Record flow	Volume (gallons) to each Hydraulic Unit
Monthly	Wastewater discharge point to land	grab sample	Total Kjeldahl nitrogen, nitrate+nitrite-nitrogen, total phosphorus, total coliform
Annually	Hydraulic management unit	Total nitrogen and phosphorus loading calculation from wastewater	Nitrogen and phosphorus applied in lbs/acre/year

F. Compliance Schedule For Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the DEQ in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-00167-01 May 1, 2002	Certification of the system operator by the Idaho Water and Wastewater Certification Board Inc. as a Class I Distribution and Collection System and Wastewater Treatment System operator. Submittal of a copy of the operator's certificate to DEQ-Coeur d'Alene.
CA-00167-02 October 1, 2001	Submittal of an Operation and Maintenance Manual prepared by the design engineer and acceptable to DEQ for the wastewater land application system.

G. Annual Report Requirement

The permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year which shall cover the previous year from January 1 through December 31. The Annual Report shall include results for monitoring required in Section E, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

H. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations.
2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.
3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:
 - a. Apply wastewater as evenly as practicable to the treatment area;
 - b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
 - c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.
4. As a result of the land application of wastewater, ground water of the state must not contain contaminants exceeding those values as referenced under IDAPA 58.01.11.200a, b and c of the Ground Water Quality Rule, unless otherwise specified in this permit.
5. The permittee shall:
 - a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
 - b. Not hydraulically overload any particular areas of the wastewater land application treatment site.
6. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.
7. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations.
8. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee, consistent with Title 39, Chapter 1, Idaho Code, to:
 - a. Enter the permitted facility,
 - b. Inspect any records that must be kept under the conditions of the permit.
 - c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
 - d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.
9. The permittee shall report to the Director under the circumstances and in the manner specified in this section:
 - a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
 - b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
 - c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Coeur d'Alene Office: (208) 769-1422
Emergency 24 Hour Number 1-800-632-8000
 - d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:
 - i. A description of the non-compliance and its cause;
 - ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
 - iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.
 - e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.
10. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

I. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.
2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.
3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in G. Reporting Requirements, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.
4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.
5. Any person violating any provision of the Waste Water Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars (\$10,000) or one thousand dollars (\$1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.
6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.
7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within twenty (20) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Director.
8. The Director shall notify the permittee in writing of any revocation hearing at least twenty (20) days prior to the date set for such hearing. The hearing shall be conducted in accordance with Title 67, Chapter 52, Idaho Code.
9. If, pursuant to Idaho Code § 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing the Director shall provide the permittee a revocation hearing and prior notice thereof. Such hearings shall be conducted in accordance with Title 67, Chapter 52, Idaho Code.
10. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.
11. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application site from service. Prior to commencing site closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix “1”:
A-000167-01
Site Map

ENVIRONMENTAL MONITORING

Computerized Data Reporting Serial Number Key

Hydraulic Management Units	Acres	Serial No.
Fields A-F	21.5	MU-0167.01A-F
WASTEWATER SAMPLING POINTS		
Description	Serial No.	
Discharge point of wastewater	WW-0167.01	
LAGOONS		
Aerated Lagoon 1 (0.9 MG)	LG-0167.01	
Storage Lagoon 2 (2.8 MG)	LG-0167.01	